

S/096/62/000/006/009/011
E194/E454

Heat transfer and hydraulic ...

For Reynolds numbers of 2000, 4000 and in the range from 10000 to 18000 the Nusselt criterion for ducts with conical indentations is greater than for a smooth duct by 2.0, 1.62 and 1.75 times respectively. The surface increase caused by the indentations ranges from 5 to 10% so the main cause of greater heat exchange with indentations is increased turbulence of flow. The resistance of the ducts was measured under both isothermal and nonisothermal conditions and the results are given in the form of empirical formulae with constants tabulated for ducts of different shape and pitch. There are 3 figures and 1 table.

ASSOCIATION: Kazanskiy aviatsionnyy institut
(Kazan' Aviation Institute)

Card 3/3

FEDOROV, I. G.

FEDOROV, I.G., inzhener; MEDVIN, Ye.A., inzhener, nauchnyy redaktor;
TOKER, A.M., tekhnicheskiy redaktor.

[Making reinforced concrete steps in stock metal forms; from the
work practice of the "Makstroi" trust. Izgotovlenie zhelezobetonykh stupenei v inventarnoi metallicheskoi opalubke; iz opyta
raboty tresta Makstroi. Moskva [Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture] 1953. 11 p.
(MIRA 7:8)

In Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva,
Tekhnicheskoye upravleniya..
(Reinforced concrete construction)

FEDOROV, I.G.; KARDO-SYSOYEV, F.N., inzhener, nauchnyy redaktev.

[New woodworking machines; proposals by instructors on progressive work methods] Novye derevoobrabatyvaiushchie stanki; predloshenija instruktorov peredovykh metodov truda. Moskva, Gos. izd-vo po stroitel'stvu i arkhitekturje, 1953. 22 p.
(Woodworking machinery) (MLRA 7:6)

FEDOROV, I., inzhener.

Moscow exhibition of new construction techniques. Mekh.trud.rab. 7 no.8;
42-45 Ag '53.
(MLRA 6:8)
(Building machinery)

FEDOROV, I.O.

Introduction of advanced methods in plastering. Biul.stroi.tekh. 10 no.10:
20-22 My '53.
(MLRA 6:8)

1. TsBTP Ministerstvo stroitel'stva.

(Plastering)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

Method of producing reinforced concrete steps in stages. Sbor.mat. o nov.
tekhn. v stroi. 15 no.6:26-29 '53. (MLRA 6:5)
(Staircases) (Reinforced concrete construction)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

Practical arrangement of concrete reinforcements. Sbor. mat. o nov.
tekh.v stroi. 15 no. 10:12-17 '53. (MIRA 6:12)
(Reinforced concrete)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, I. G.

Subject : USSR/Engineering AID P - 220
Card : 1/1
Author : Fedorov, I. G., Engineer
Title : Standard Framework for Concrete Construction Designed by N. I. Gakhov
Periodical : Sbor. mat. o nov. tekhn. v stroi., 1, 12-18, 1954
Abstract : Standard size forms for concrete are suggested. These standard board units form shutterings which can be used in various formwork for concrete placing. These forms have been tried by many construction trusts and have proved economical. Charts, table.
Institutions: Several Building Trusts
Submitted : No date

FEDOROV, I.G., inzhener.

Exhibition of modern building engineering. Mekh.trud.rab. 8 no.6:
43-45 Ag-S '54.
(MLRA 7:9)
(Moscow--Building machinery--Exhibitions) (Building machinery--
Exhibitions--Moscow)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener

The Moscow Exhibition of New Construction Technology. Mekh.trud.
rab.9 no.8:30-33 Ag'55. (MLRA 8:10)
(Moscow--Construction industry--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I.G., inzhener.

An exhibition of new construction technology. Mekh. trud. rab.
10 no.9:20-24 S '56. (MLRA 9:10)

(Moscow--Construction industry--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I. G.

FEDOROV, I. G.

New building techniques; at the Moscow Exhibition of 1957.
Stroitel' no.9:22-24 S '57. (MIRA 10:12)
(Moscow--Building--Exhibitions)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

Author: Fedorov, I. I.

Title: Navigational "Ekholots", Sea Transportation. (Navigatsionnye ekholoty.) 142 p.

City: Moscow

Publisher:

Publication--

Date: 1948

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 2, Page 97

FEDOROV, I.I.

Results of the second congress of the trade union of geological
prospecting workers and problems of trade-union organizations.
Razved.i okhr.nedr 22 no.5:1-5 My '56. (MLRA 9:9)

1. TSentral'nyy komiter profsoyuza rabochikh geologo-
razvedochnykh rabot.
(Trade unions) (Prospecting)

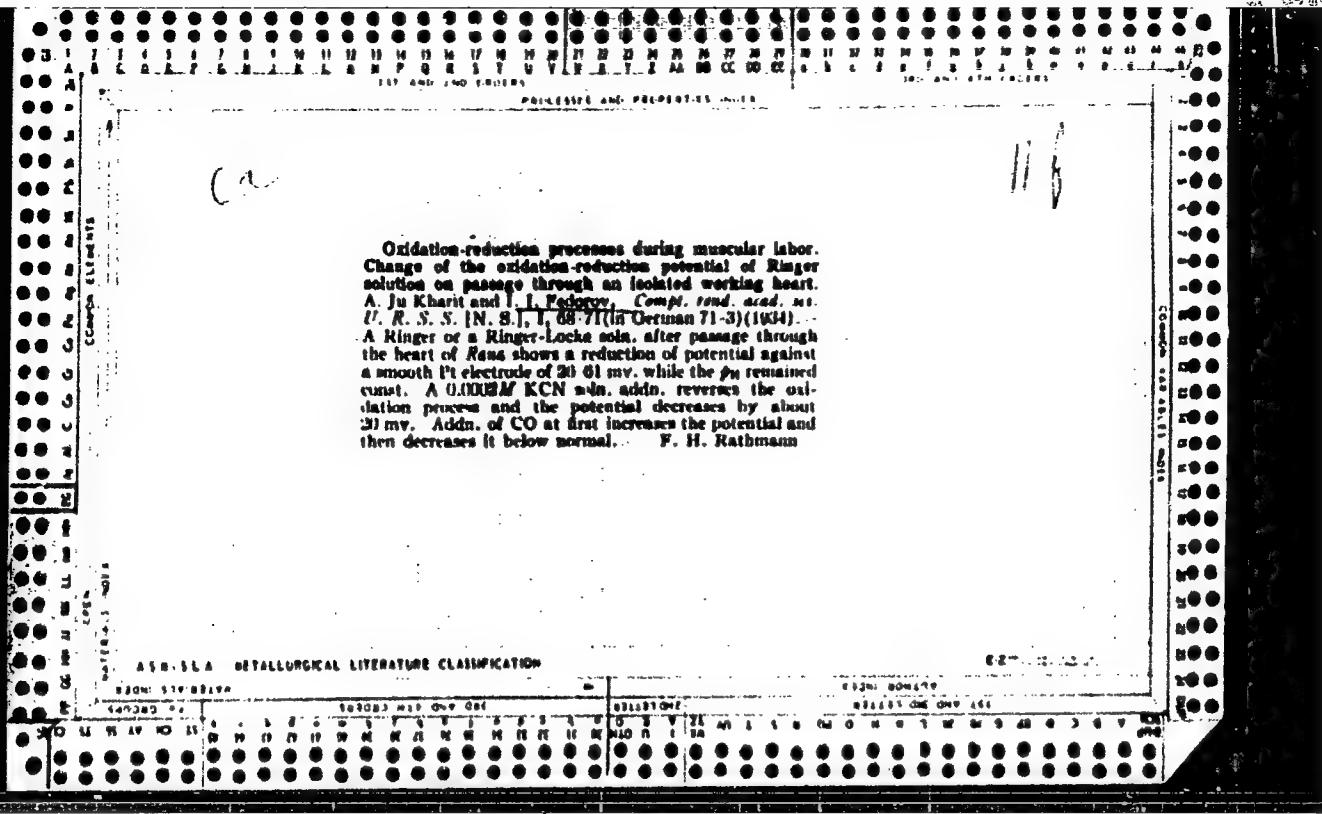
FEDOROV, I.I.

Activity of the editorial board of "Razvedka i okhrana nedor".
Razved. i okh.nedr 24 no.10:61-62 0 '58. (MIRA 12:2)

1. Tsentral'nyy komitet profsoyusa rabochikh geologorazvedochnykh
rabot.
(Geology--Periodicals)

FEDOROV, Ivan Ignat'yevich

[Studies on Chinese popular medicine] Ocherki po narodnoi
kitaiskoi meditsine. Moskva, Medgiz, 1960. 76 p.
(CHINA--MEDICINE, POPULAR) (MIRA 13:9)



II. Oxidation-reduction potential of blood and urine as influenced by muscular labor. A. Yu. Kharit and I. I. Fedorov. *Compil. russ. Acad. Sci. U. R. S. S. [N. S.]* 17, 130-36 (German 133-5) (1934); cf. *U. S. A. 28*, 56297.
The potential of arterial blood decreased from 0.007 to 0.078 v., of venous blood from 0.003 to 0.087 after work (in dogs), and of urine from 0.118 to 0.073 in 40 min. and was normal after 4 hrs. (in man). V. II. R.

ASA-ALA METALLURGICAL LITERATURE CLASSIFICATION										SERIALS SECTION																			
SEARCHED 5/10/68 BY J.W.										SEARCHED 5/10/68 BY J.W.																			
SEARCHED					INDEXED					SEARCHED					INDEXED														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Carbohydrate metabolism in narcosis. I. I. Endo
Bull. biol. med. expér. U. R. S. S. 9, 308-71 (1940) (in German).—The administration per os of 3 g./kg. body wt. of glucose in 10% soln. to rabbits, and the intravenous injection into dogs and cats, during Et₂O narcosis causes a strong hyperglycemia until the narcosis terminates, after which the blood-sugar values return to normal. In cases of high blood-sugar values during the 1st hr. of narcosis the difference in sugar values between arterial and venous blood decreases and eventually becomes neg., venous blood sugar being higher than arterial sugar. Blood lactic acid increases during narcosis either with or without sugar administration. The intravenous injection of 6 units/kg. body wt. of insulin into dogs and rabbits during Et₂O narcosis caused no decrease in blood sugar until the narcosis terminated. The injection of adrenaline during narcosis caused a greater hyperglycemia than under normal conditions. The lactic acid values were similar to those found after sugar administration in narcosis.
S. A. Karjala

ca

116

Carbohydrate metabolism in experimental epilepsy.
 J. L. Eccles... *Bull. biol. med. expér. U. R. S. S.* 6, 372-8 (1940) (in German).—The expul. development of epilepsy in dogs, cats and rats by subarachnoidal injection of 0.3 ml. of 2% gallic acid, by intraperitoneal injection of 8-10 ml. of 2% oil of camphor, or by means of an elec. current, causes a hyperglycemia which reaches a max. in 1-8 hrs., falls to normal in approx. 20 hrs. and then gives rise to a marked hypoglycemia. The source of the hyperglycemia was found to be the rapid mobilization and breakdown of glycogen by the liver. A marked increase in blood lactic acid occurs during epilepsy which remains considerably above normal for over 26 hrs. S. A. Karjalai

A38-31A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

Ca

7-17

The dominant mechanism in the genesis of changes in the calcium and phosphorus picture in the blood after experimental bone fracture. I. I. Fedorov. *Bull. biol. med. exp. U. R. S. S.*, 9, 370-81 (1940) (in German).—The blood Ca and P of dogs were determined before and after aseptic bone fracture. After the values had returned to normal a nonspecific irritation (nervous irritation) was set up by removal of 6-10 ml. of cerebrospinal fluid, sputum of the fluid with air, and reinjection by means of suboccipital puncture. A single irritation caused a sharp increase in blood Ca and a decrease in P. Repeated irritations gave increases in both Ca and P. Conclusion: Post-fractural hypercalcemia and hyperphosphatemia are controlled by neurological mechanisms.

S. A. Karjala

ASS-1A METALLURGICAL LITERATURE CLASSIFICATION

卷之三

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, I. I.

USSR/Medicine - Blood, Fats and Lipoids
Medicine - Urine, Fats and Lipoids

May/Jun 48

"Variations in the Fatty Exchange in Men at High Altitudes," G. Ye. Vladimirov,
I. M. Dedyulin, L. I. Ostrogorskaya, I. I. Fedorov, Biochem Dept, General Physiol
Sec, Inst of Experimental Med, Acad Med Sci USSR, Leningrad, 8 pp

"Fiziol Zhar SSSR" Vol XXXIV, No 3

Reviews history of subject. Describes observations. Concludes that at high
altitudes the acetone content in the blood and urine is increased. The β -
oxybutyric acid content in the blood also increases with an increase in altitude.
Total content of fats in blood plasma remains unaltered. Discussed effects of
acclimatization.

PA 13/49T57

FEDOROV, I. I.

33458. Ob okhranitel'nom Vozbushdenii. Uchen. Zapiski (Chernovits. Gos. Med. In-t), T. 1, 1949, o. 5-23.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

FEDOROV, I. I.

Fedorov, I. I. "On the reactivity of adrenalin with foreign blood", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 247-49.

SO: U-4392, 19 August 53, (Lëtopis 'Zhurnal 'nykh Statey, No 21, 1949).

1797. **The Reflexogenic Zone in the Terminal Portion of the Abdominal Aorta.** (О рефлексогенной зоне области концевого отделения брюшной аорты)

I. I. FEDOROV. Архив Гастроэнтерологии [Arkh. Patol.] 12, No. 1, 15-22, 1950. 4 figs., 16 refs.

The abdominal aorta of dogs was studied by means of compression and occlusion of its various segments and terminal branches and the introduction into it of such chemical substances as hypertonic saline, adrenaline, acetylcholine, "hexonal", thiopentone, procaine, and barium chloride. The effects of these procedures on the pulse, blood pressure, and electrocardiographic tracings of the heart were observed. A histological study of this region showed that nerve endings were much more numerous in the terminal portion of the aorta than above or below it, and that they were similar in structure to those present in the sinocarotid zone. The observations showed that this part of the aorta contains chemical neuro-receptors.

L. Crome

Abstracts of World Medicine
Vol 8 1950

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

FEDOROV, I. I.

"Pathophysiological Bases of Blood Transfusion," Kiev, 1951

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

DETSIK, Yu.I.; FEDOROV, I.I.

Effective stimulation of the arterial receptors with simultaneous interavenous administration of drugs lowering blood pressure and depressing respiration. Vop. fiziol. no.5:38-42 '53. (MLRA 8:1)

l. L'vovskiy meditsinskiy institut, kafedra patologicheskoy fisiologii.

(ARTERIES, physiology,

eff. of stimulation of receptors with simultaneous interavenous admin. of drugs depressing blood pressure & resp.)

(VEINS, physiology,

eff. of intravenous admin. of drugs depressing blood pressure & resp. with simultaneous stimulation of arterial receptors)

(BLOOD PRESSURE,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

(RESPIRATION,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

PETROV, D.G., dotsent, direktor; FEDOROV, I.I., professor, nauchnyy rukovoditel'.

Intravenous alcohol-thiopental narcosis. Khirurgija no.6:15-18 Je '53.
(MLRA 6:8)

1. Lvovskiy nauchno-issledovatel'skiy institut perelivaniya krovi i ne-
otlozhnoy khirurgii.
(Anesthesia)

-FEDOROV, I. I.

4817. FEDOROV, I. I. Ucheniye I. P. pavlova - nauchnaya osnova meditsiny. kiyev,
gosmedizdat ussr, 1954. 104 s. 21sm. (b-ka vracha). 5.000 eks. 4r. 35k. v
per. - na ukr. yaz. - (54-58287) 612+61

SO: Knizhnaya Letopis', Vol. 1, 1955

FEDOROV, I.I.

FEDOROV, I.I.: "The process of ossification of the pelvis in X-ray pictures".
Moscow, 1955. Second Moscow Medical Inst imeni I.V. Stalin. (Dissertations
for the degree of candidate of Medical Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

Fedorov, I. I.

USER/ Medicine - Physiology

Card 1/1 Pub. 22 - 51/52

Authors : Fedorov, I. I.; Khodosevich, P. K.; Fedorova, Z. P.; and Gosteva, E. A.

Title : Distribution of radioactive P and I in the organs of rabbits in normal state, pentotal narcosis and in state of strong stimulation

Periodical : Dok. AN SSSR, 100/2, 393-396, Jan 11, 1955

Abstract : Experimental data are presented regarding the change in functional state of the nervous system on the distribution of radioactive P and I in the organs of underfed rabbits. Results obtained led to a conclusion that any change in the functional state of the central nervous system positively affects the intensity of the organs in the absorption of the radioactive P and I. Seven USSR references (1947-1953). Table.

Institution : Scientific Research Institute of Blood Transfusion, Lvov

Presented by : Academician L. A. Orbeli, September 24, 1954

FEDOROV, Ivan Ignat'yevich, professor; BOGOMOLETS, O.A., redaktor;
GITSHENYI, A.D., technicheskiy redaktor

[Alcohol-glucone-citrate blood and its medical use] Spirto-gliukozo-
tsitratnaya krov' i ee lechebnoe primenenie. Kiev, Gos. med. izd-vo
USSR, 1956. 149 p.
(BLOOD--COLLECTION AND PRESERVATION)
(BLOOD--TRANSFUSION)

USSR/Pharmacology and Toxicology. Analgesics

V-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47150

Author : Detsik Yu.I., Fedorov I.I.

Inst : -

Title : On the Epileptogenic Effect of Pyramidon

Orig Pub : Fiziol. zh. 1957, 3, No 3, 31-35

Abstract : The effect of large doses of pyramidon (P) was studied on guinea pigs, rabbits, cats, and dogs, by intravenous and intracysternal administration of a 4% aqueous solution of P. Duration of administration was 3-5 sec. In guinea pigs, the intravenous epileptogenic dose of P was 65-80 mg/kg.; in dogs, cats and rabbits it was 50-60 mg/kg.; and in intracysternal introduction it was 8 mg/kg. After administration of P in the indicated doses, an attack of tonoclonic convulsions developed immediately. 2-4 hours after epileptic attack, no essential disorders of the general condition were observed in the animals. -- G.N. Artemenko

Card : 1/1

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97878

Author : Fedorov, I. I., Zapadniuk, V. G.

Inst : Not given

Title : The Significance of Neuroreflexory Components in
the Mechanism of Appearance of Experimental
Convulsive Attacks

Orig Pub: Fiziol. zh., 1957, 3, No 5, 119-123

Abstract: It was established in experiments on 8 dogs that a perfusion of humorally isolated carotid sinus uni- or bilaterally with a 4 percent solution of pyramidon (P) does not produce convulsive attacks, despite the fact that acceleration of breathing,

Card 1/2

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a "Nov Med. Inst.
Chair Pathol. Physiol."

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97878

screaming, and motor excitement of animals evidence the reflexory effect of P introduction into the common carotid artery in minimal doses (2.5 to 3 milligrams per kilogram) induces a convulsive attack. Intravenous and suboccipital introduction of P induces an attack with considerably larger doses. Apparently in the mechanism of the P effect, along with irritation of the receptors of carotid sinus, its effect on the receptors of other vascular zones and internal organs, as well as directly on the CNS, has great significance. S. A. Dolina

Card 2/2

FEDOROV, I.I.; TKACH, Ye.A.; FEDOROVA, Z.P.

Radioactive phosphorus content of the blood and its elimination through the kidneys under normal conditions and during pentothal narcosis, Vrach.delo no.8:813 Ag '57. (MLRA 10:8)

1. L'vovskiy institut perelivaniya krovi
(PHOSPHORUS--ISOTOPES) (THIOPENTAL)

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No. 46754

Author : Wu I-Ting, Wang Hung-hsiu, Fedorov, I. I., Fang Chang-chyun

Inst : Not given

Title : Intraarterial Injections of Sodium Lactate as a Method of Increasing Blood Pressure in Traumatic Shock.

Orig Pub : Arkhiv patologii, 1957, 19, No. 8, 32-37.

Abstract : Shock was produced in dogs by striking them 420-780 times on the hip. Ten to 15 minutes after a stable decrease of blood pressure (BP) to 60-50 mm of the mercurial column, 1 ml/kg of a freshly prepared 4-20 percent solution of neutrally reacting sodium lactate (I) was injected interarterially. BP was immediately restored and it even exceeded the initial level. Although subsequently it decreased again, it still remained higher than at the

Card 1/2

Chun Pathophysiology Peking Med Inst

25

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No 46754

Abstract : instance of shock. The speed of the blood circulation fell during shock and remained low even after the injection of (I). The constriction reflex of carotid arteries became restored after (I) was administered. Thus, (I) has only a temporary hypertension effect. Since no complex treatment of shock was instituted, all dogs died after a period of several hours to 3 days.

Card 2/2

FEDOROV, I. I.

FEDOROV, I. I.; POLOTAY, V.A. (L'vov)

Appearance and disappearance of trophic ulcers following section of
the sciatic nerve [with summary in English]. Arkh.pat. 19 no.9:74-78
'57. (MIRA 10:12)

1. Iz kafedry giatologii Chernovitskogo meditsinskogo instituta.
(ULCER, experimental,
trophic after section of sciatic nerve, appearance &
disappearance (Eng))
(NERVES, SCIATIC, physiology,
section causing trophic ulcer, appearance &
disappearance (Eng))

FEDOROV, Ivan-Ignat'evich [Fedorov, I.N.], prof., doktor med. nauk; AZEFEROV,
O.I., doktor med. nauk, red.; LATYSHOV, M.P., red. viss-vsi.

[Popular medicine in China] Narodna medytsyna Kytaiu. Kyiv, 1958.
35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh
znan' Ukrains'koj RSR. Ser. 5, no. 6). (MIRA 11:7)
(China--Medicine, Popular)

FEDOROV, I.I., prof. (L'vov)

"The tumorous process and the nervous system" by R.E.Kavetskii
and others. Reviewed by I.I.Fedorov. Vrach.delo no.3:313-
315 Mr '59. (MIRA 12:6)
(CANCER) (NERVOUS SYSTEM) (KAVETSKII, R.E.)

FEDOROV, I.I., kand. med. nauk.

Clinico-roentgenological diagnosis of broncho-pulmonary cysts. Sov.
med. 23 no.3:73-77 Mr '59. (MIRA 12:4)

1. Iz kafedry rentgenoradiologii (zav. - prof. V. A. D'yachenko) II
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i kafedry rentgeno-
radiologii (ispolnyayushchiy obyazannosti zav. kafedroy - kand. med.
nauk I.I. Fedorov) I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M. Sechenova.

(LUNGOS, cysts.
broncho-pulm., diag. (Rus))
(BRONCHI, cysts,
same)

FEDOROV, I.I., kand.med.nauk; FEDOROVA, A.S., kand.med.nauk

Clinical and roentgenological diagnosis of gastric burns. Sov.med.
23 no.8:26-31 Ag '59. (MIRA 12:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. V.A. D'yachenko)
II Moskovskogo meditsinskogo instituta i terapevcheskogo otdeleniya
TSentral'nogo instituta kurortologii (dir. G.N. Pospelova).

(CAUSTICS eff., inj.)
(STOMACH diseases)
(ESOPHAGUS diseases)

PA 167T85

FEDOROV, N. A. Engr

USSR/Metals - Welding Oct 50

"One-Sided Automatic Welding of Low-Carbon Steel
Up to 16 Millimeters Thick," Engineers N. A.
Fedorov, A. I. Kuzin, T. Ya. Shandra

"Avtogen Delo" No 10, pp 17-20

Suggests one-sided welding under flux as most
economical method, not requiring preliminary
preparation of edges. Describes development of
method for welding 900-1,032 mm diameter boilers
made of steel 13-16 mm thick and construction of
flux-supplying devices for straight and circular
joints. Mechanical characteristics are no lower
than those of joints welded from both sides.

167T85

1.2300A
1.2300

88686

S/137/61/000/001/022/043
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 10, # 1E75
AUTHORS: Bel'chuk, G.A., Gluskin, D.Ya., Fedorov, N.A.
TITLE: On the Problem of Welding Aluminum and Its Alloys With Steel
PERIODICAL: "Tr. Leningr. korablestroit. in-ta", 1959, No. 29, p. 257

TEXT: Information is given on experimental argon-arc building-up and welding of Al and its alloys (AMg-6T (AMg-6t) type) with steel on whose surface a 0.1 mm thick Al, 0.04 mm thick Zr or 0.02 - 0.05 mm thick Ni layer had been previously applied. The following welding technology is recommended: an Al layer is applied on the steel surface by "allitization" (allitirovaniye) or a Zn layer by hot zincing. On this surface a 20 - 25 mm wide Al layer is welded (3 - 4 beads); then Al or its alloys are welded on the built-up layer by any type of joint. The average tensile or shearing strength of a welded joint is 9-11 kg/mm² at an Al-coating and 4-8 kg/mm² at a Zn-coating. The strength of the joint is reduced when welding without preliminary building-up.

V. B.

Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

BEL'CHUK, G.A.; GLUSKIN, D.Ya.; FEDOROV, N.A.

Welding aluminum and its alloys to steel. Trudy LKI no.34:
15-22 '61. (MIRA 15:8)

1. Kafedra svarki sudovykh konstruktsiy Leningradskogo
korablestroitel'nogo instituta (for Bel'chuk). 2. Kafedra
metallovedeniya Leningradskogo korablestroitel'nogo instituta
(for Gluskin).

(Aluminum—Welding) (Steel—Welding)

ZAYKOV, M.A.; TSELUYKOV, V.S.; KAMINSKIY, D.M.; KUZNETSOV, A.F.;
BELINSKIY, Ye.D.; SHAMETS, Ya.V.; FEDOROV, N.A.; BARITSKIY,
S.I.; ZAKHAROV, A.I.; ZHURAVLEV, M.A.; KOBYZEV, V.K.

Investigating energy and power parameters in plate rolling
on reversing mills. Izv. vys. ucheb. zav.; chern. met. 7
no.2:100-107 '64. (MIRA 17:3)

ZAYKOV, M. A.; FEDOROV, N. A.

Investigating forces and moments during the rolling of flanged shapes. Izv.vys.uchet.zav.; chern.met.7 no. 4:103-108 '64.
(MIRA 17:5)

1. Sibirskiy metallurgicheskiy institut.

TSELUYKOV, V. S.; ZAYKOV, M. A.; FEDOROV, N. A.

Distribution of torque in the spindles of two-high reversing
medium sheet mills. Izv. vys. ucheb. zav., chern. met. 7 no.6:
109-113 '64. (MIR4 17:7)

1. Sibirskiy metallurgicheskiy institut.

YUMATOV, B.P.; SHUBODEROV, V.I., aspirant; FEDOROV, N.A., aspirant

Analysis of the practice of using skip hoists and the effectiveness
of their introduction in the quarries of nonferrous metallurgy.
Izv.vys.ucheb.zav.; geol.i rasv. 8 no.11:128-134 N '65.
(MIRA 18:12)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

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CIA-RDP86-00513R000412620015-0"

FEDOROV, N.A.

Some problems in controlling the process of underground coal
gasification. Podzem.gaz.ugl. no.1:16-21 '57. (MIRA 10:7)

1. VNIIPodzemgaz.
(Coal gasification, Underground) (Engineering research)

FEDOROV, N.A.; GOLOKH, S.P.

Experience in joining vertical and inclined borings in coal seams.
Podzem.gaz.ugl. no.2:50-51 '57. (MLRA 10:?)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification, Underground) (Boring)

FEDOROV, N.

A great technical achievement. Tekh.mol. 25 no.10:17-18 O '57.
(MIRA 10:10)

I. Zamestitel' direktora po nauchnoy chasti Vsesoyuznogo nauchno-
issledovatel'skogo instituta podzemnoy gazifikatsii ugley.
(Coal gasification)

FEDOROV, N.

152. Use of Electricity for Starting Gasification of Coal Seams

In his article, "Coal Is Burning Underground," N. Fedorov describes several methods of making connecting channels between wells in underground coal gasification systems.

"Connecting channels between wells can be secured by lowering electrodes to the level of the coal seam and by applying high voltage to them. An electric circuit is formed in which the coal layer between wells acts as a conductor. The current heats and cokes the coal. Coking proceeds from the electrodes toward each other, until they meet. Since the coke is a good conductor, a greater current starts to flow with a lower voltage. The heat liberated from the passing of current through the coke "core" heats the adjacent coal layers, and thus promotes further coking. The coke, being porous, permits easy passage of an air blast. Such a method of connecting the wells is called the electric junction. This method decreases, in many instances, the time for joining the wells and reduces the power consumption. It is now widely used at the Moscow Basin station "Podzemgaz." (Znaniye-Sila, No 2, Feb 57, pp 13-16) (U)

FEDCROV, N.A.

AGROSKIN, A.A., doktor tekhn.nauk; SUKHOTINSKAYA, T.M.; FEDCROV, N.A.

Moisture balance in the process of underground gasification. Podzem.
gaz.ugl. no.1:25-28 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Coal gasification, Underground)

FERBEROV, I.L., doktor tekhn.nauk; BRUSHTEYN, N.Z., kand.tekhn.nauk; MUSINOV, G.O.;
PITIN, R.N.; FEDOROV, N.A., inzh.

Hydraulic fracturing of strata during underground coal gasification.
Podzem.gaz.ugl. no.1:31-34 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley i Institut goryuchikh iskopayemykh im.
G.M. Krzhizhanovskogo AN SSSR.
(Coal gasification, Underground)

FEDOROV, N.A.

Investigating certain problems of preparing coal seams for
gasification without mining. Podzem. gaz. ugl. no.1:26-30
'59. (MIRA 12:6)

1. VNIIIPodzemgas.
(Coal gasification, Underground)

~~FEDOROV, N.A.; KREYNIN, Ye.V.~~

Preparation without mining of the Kuznetsk Basin "4th Inner"
(9m. thick) coal seam. Podzem.gaz.ugl. no.2:6-10 '59.
(MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Kuznetsk Basin--Coal gasification, Underground)
(Boring)

FEDOROV, N.A., insh.

Determining the best number of seams to be connected with
one group drift. Isv.vys.ucheb.zav.; gor.zhur. no.7:27-31
'59. (MIRA 13:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy
institut imeni S.M.Kirova, Rekomendovana kafedroy razrabotki
plastovykh mestorozhdeniy.
(Mining engineering)

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FEDOROV, N.A.; SVIRIDOV, A.Ye.

Aerial photogrammetry in large-scale mapping of coal de-
posits. Trudy Lab.aeromet. 7:253-256 '59. (MIRA 13:1)

1. Vsesoyuznyy topografo-marksheyderskiy trest (Soyuzmarkshtrest).
(Aerial photogrammetry) (Geological surveys)

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CIA-RDP86-00513R000412620015-0"

FEDOROV, N.A., inzh.

Preparation of adjacent layers with one conveyer drift. Izv. vys.
ucheb. zav.; gor. zhur. no.9:16-19 '59. (MIRA 14:6)

i. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy
institut imeni S. M. Kirova. Rekomendovana kafedroy razrabotki
plastovykh mestorozhdeniy.
(Kuznets Basin—Coal mines and mining)

SKAFA, Petr Vladimirovich; FEDOROV, N.A., inzh., otv.red.; GRISHAYENKO,
M.I., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Underground gasification of coal] Podzemnaia gazifikatsiia
uglei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu,
1960. 321 p. (MIRA 13:11)
(Coal gasification, Underground)

FEDOROV, N.A., inzh.

Efficient level developing in mines in the Anzhero-Sudzhensk
District of the Kuznets Basin. Izv.vys.ucheb.zav.; gor.zhur.
no.4:18-22 '60. (MIRA 14:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy
institut imeni S.M.Kirova. Rekomendovana kafedroy razrabotki
plastovykh mestorozhdeniy.

(Kuznets Basin--Coal mines and mining)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

GOLGER, S.P.; DERMAN, B.M.; LAVROV, N.V.; FARBEROV, I.L.; FEDOROV, N.A.

Production of industrial gas in the underground gasification of
Lisichansk coals. Trudy IGI 13:83-86 '60. (MIRA 14:5)
(Lisichansk—Coal gasification, Underground)

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CIA-RDP86-00513R000412620015-0"

ANDRIANOV, A.P., starshiy prepodavatel'; GUSEV, I.P., dotsent; KUZNETSOV,
L.A., starshiy prepodavatel'; PROSKURIN, V.V., dotsent; FEDOROV,
N.A., starshiy prepodavatel'

Clay breakthroughs in mining. Izv.vys.ucheb.zav.; gor.zhur.
no.3:15-18 '61. (MIRA 15:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskij
institut imeni S.M.Kirova; rekomendovana kafedroy razrabotki
plastovykh mestorozhdenij Tomskogo politekhnicheskogo instituta.
(Prokop'yevsk region—Coal mines and mining) (Clay)

FEDOROV, N.A.; DMITRIYEV, A.V.; LUK'YANOV, S.V.; KORNIYENKO, P.P.

Studying the process of the hydraulic fracturing of
coal seams. Nauch. trudy VNII Podzemgaza no.6:66-78
'62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennyykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)
(Hydraulic mining)

FEDOROV, N.A.

Methods of evaluating the systems of connection linking.
Nauch. trudy VNII Podzemgaza no.6:79-85 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)

FEDOROV, N.A.

Nature of gas formation in the case of counterflow connection
linking. Nauch.trudy VNIIIPodzemgaza no.7:3-4 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennyykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.
(Coal gasification, Underground)

FEDOROV, N.A.

Rate of coal reaction in case of a counterflow fire zone drift in
slit channels. Nauch.trudy VNII Podzemgaza no.7:5-7 '62.

(MIRA 15:11)

1. Laboratoriya gazifikatsii kamennikh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)

KIRICHENKO, I.P., kand. tekhn. nauk; PITIN, R.N., kand. tekhn. nauk;
PARBEROV, I.L., doktor tekhn. nauk; FEDOROV, N.A., kand. tekhn.
nauk

Some problems in recovery without mining and in underground
preparation of fuels and other minerals. Nauch. trudy
VNIIPodzemgaza no.8+9-10 '62. (MIRA 16:6)

1. Institut goryuchikh iskopayemykh Gosudarstvennogo komiteta
po toplivu i vnesenyuyu nauchno-issledovatel'skiy institut
podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)
(Sublimation(Physical sciences))

FEDOROV, N.A.; BELYANOVA, Ye.M.; GRIDNEVA, K.I.; RAKOVSKIY, V.Ye.;
KUNIN, A.M.; YAKOB, N.S.

Composition and ways of using the liquid products of under-ground gasification of coals. Nauch. trudy VNII Podzemgaza
no. 8:95-103 '62. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut podzemnoy
gasifikatsii ugley, Kalininskiy torfyanoy institut i Vesoyusnyy
nauchno-issledovatel'skiy institut udobreniy i agropochvo-
vedeniya.

(Coal gasification, Underground--By-products)

KOVACHEVICH, P.M., prof.; FEDOROV, N.A., kand.tekhn.nauk; ANDRIANOV, A.P., inzh.; BOBER, Ye.h., inzh.; GORBACHEV, D.T.; DENISOV, V.V.; KONONCHUK, G.I., brigadir

Work practices of the brigade of G.I.Kononchuk at "Berezovskaya-1" Mine in the Kuznetsk Basin. Ugol' 38 no.3:1-6 Mr '63. (MIRA 18:3)

1. Ismerovskiy gornyy institut (for Kovachevich, Fedorov, Andrianov, Bober). 2. Glavnyy inzh. tresta Kemerovougol' (for Gorbachev). 3. Glavnyy inzh. shakhty "Berezovskaya-1" tresta Kemerovougol' (for Denisov). 4. Shakhta "Berezovskaya-1" tresta Kemerovougol' (for Kononchuk).

FEDOROV, N.A.

Permeability of coal seams to gas and selection of a means of
creating channels permeable to gas. Nauch. trudy VNII Podzemgaza
no.10;39-42 '63. (MIRA 17:5)

1. Laboratoriya tekhnologii podzemnoy gazifikatsii kamennyykh
ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy
gazifikatsii ugley.

BOBER, Ye.A.; SNIURKOV, V.N.; FEDOROV, N.A.

Some results of investigating manifestations of rock pressure during
sutter-leader mining operations. Vop.gor.davl. no.22:10-18 '74.
(MIRA 1974)

I. Kemerovskiy gornyy institut.

BOBER, Ye.A.; PROSKURIN, V.V.; FEDOROV, N.A.; REYMAROV, V.A.

Full-scale measurements of rock pressure in development workings
at mine 5-7 of the Anzherougol' Trust. Vop. gor. davl. no.17:10-
13 '63. (MIRA 18:9)

1. Kemerovskiy gornyy institut (for Bober, Proskurin, Fedorov).
2. Shakhta 5-7 Tresta Anzherougol', Anzerskiy rayon (for Reymarov).

FUGACHEV, A.S.; FEDOROV, N.A., otvetstvennyy redaktor; ZHIRMUNSKAYA, I.A.,
redaktor; TRUMKIN, P.S., tekhnicheskiy redaktor

[Layout work in shipbuilding] Sudovye razmetochnye raboty. [Lenin-
grad] Gos. izd-vo sudostroit. lit-ry, 1953. 155 p. [Microfilm]
(Shipbuilding) (MLRA 7:10)

GRISHCHENKO, S.S.; FEDOROV, N.A.; FROLOV, P.V., inzhener, redaktor;
PETERSON, M.M., tekhnicheskiy redaktor.

[How a ship is built] Kak stroitsia sudno. Leningrad, Gos.
sciuznnoe izd-vo sudostroit.promyshl., 1954. 81 p. (MLRA 8:11)
(Shipbuilding)

BUTOMA, B.Ye.; SOKOLOV, P.A.; BALAYEV, D.N.; SERGEYEV, N.M.; SHUMSKIY, K.A.;
TYAPKIN, M.Ya.; SMIRNOV, V.A.; PIROGOV, N.I.; FEDOROV, N.A.;
GOLYASHKIN, G.S.; KUZ'MIN, A.P.; AKULINICHEV, V.P.; brigadir; GORBENKO,
Ye.M.; BYSTREVSKIY, L.M., inzh.; STEPANOV, P.S., brigadir; Us, I.S.,
brigadir-sudosborshchik, deputat Verkhovnogo Soveta SSSR; USTINOV,
P.D., slesar'-sborshchik; FINOGENOVA, N.Ya., tokar'; LERNER, M.;
ALEKSEYEV, R.Ye.; SIVUKHIN, K., starshiy master; OSTAF'YEV, A.I.;
TROFIMOV, B.A., inzh.; KOVRYZHIN, V.F., inzh.; MOISHEYEV, A.A., prof.;
GOLUBEV, N.V.; MOGILEVICH, V.I.; ANDRYUTIN, V.I.; ANDRIYEVSKIY, M.I.;
MATSKEVICH, V.D., dots.

Shipbuilders prepare for the 21st Extraordinary Congress of the CPSU.
Sudostroenie 25 no.1:1-25 Ja '59. (MIRA 12:3)

1. Predsedatel' Gosudarstvennogo komiteta Soveta Ministrov SSSR po
sudostroyeniyu, ministr SSSR (for Butoma). 2. Nachal'nik upravleniya
sudostroitel'noy promyshlennosti Lensovnarkhoza (for Sokolov).
3. Direktor Baltiyskogo sudostroitel'nogo zavoda im. S.Ordzhonikidze
(for Balayev). 4. Nachal'niki tsekhov Baltiyskogo sudostroitel'nogo
zavoda im. S. Ordzhonikidze (for Sergeyev, Shumskiy). 5. Nachal'nik
mekhanicheskogo tsekhha Baltiyskogo sudostroitel'nogo zavoda im. S.
Ordzhonikidze (for Tyapkin). (Continued on next card)

BUTOMA, B.Ye.---(continued) Card 2.

6. Brigada kommunisticheskogo truda Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Smirnov). 7. Glavnnyy inzhener Admiralteyskogo sudostroitel'nogo zavoda, Leningrad (for Pirogov). 8. Glavnnyy inzhener sudostroitel'nogo zavoda im. A.A. Zhdanova (for Fedorov). 9. Nachal'nik elektronnogo tsekh Sudostroitel'nogo zavoda im. A.A. Zhdanova (for Golyashkin). 10. Nachal'nik tsekh kommunisticheskogo truda sudostroitel'nogo zavoda im. A.A. Zhdanova (for Kuz'min). 11. Malyarnyy tsekh sudostroitel'nogo zavoda im. A.A. Zhdanova (for Akulinichev). 12. Glavnnyy inzhener Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Gorbenko), Nikolayevskiy sudostroitel'nyy zavod im. I.I. Nosenko (for Bystrevskiy, Us, Ustinov, Finogenova). 14. Slesarno-sborochnaya brigada Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Stepanov). 15. Zamestitel'nachal'nika konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Lerner). 16. Glavnnyy konstruktor konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Alekseyev). 17. Sudostroitel'nyy zavod "Krasnoye Sormovo" (for Sivukhin). 18. Direktor sudostroitel'nogo zavod "Leninskaya kuznitsa" (for Ostaf'yev). 19. Sekretar' partkomata TSentral'nogo nauchno-issledovatel'skogo instituta (for Trofimov). (Continued on next card)

BUTOMA, B.Ye.--(continued) Card 3.

20. Predsedatel' Leningradskogo oblastnogo pravleniya Nauchno-tehnicheskogo otdela sudostroitel'noy promyshlennosti (for Moiseyev). 21. Glavnyye inzhenerы Konstruktorskogo byuro (for Golubev, Andryutin).
22. Glavnyy konstruktor Konstruktorskogo byuro (for Mogilevich).
23. Nachal'nik TSentral'nogo tekhniko-konstruktorskogo byuro (for Andriyevskiy). 24. Zamestitel' direktora Leningradskogo korablenstroitel'nogo instituta po uchebnoy chasti (for Matskevich).

(Shipbuilding)

TRESKUNOV, Petr Iosifovich; KOMAN, A. A., inzh., retsenzent; MALOV, A. N.,
inzh.; FEDOROV, N. A., inzh.; DMITRIYEV, V. P., inzh., otr.red.;
LISOK, E. I., red.; KRYUKOVA, D. M., tekhn.red.

[Gutter and press-worker] Rezchik-pressovshchik. 2., perer. i
ispr. izd. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,
1961. 146 p. (MIRA 15:2)
(Hulls (Naval architecture)) (Shipping)

BELYAYEV, Georgiy Sergeyevich; FEDOROV, N.A., inzh., retsenzent; TISHKO-VETS, I.V., inzh., retsenzent; KOKICHEV, V.N., nauchnyy red.; OZEROVA, Z.V., red.; SHISHKOVA, L.M., tekhn. red.

[Mechanization of fitting and assembling operations in marine engineering] Mekhanizatsiya slesarno-sborochnykh i montazhnykh rabot v sudovom mashinostroenii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 267 p. (MIRA 14:6)
(Marine engineering) (Shipfitting)

KUZ'MENKO, Vladimir Kuz'mich, dots.; FEDOROV, Nikolay Aleksandrovich;
FRID, Yevsey Grigor'yevich; ADLERSHTEYN, L.TS., inzh., re-
tsenzer; SOKOLOV, V.F., inzh., retsenzer; SOSIPATROV, O.A.,
red.; FRUMKIN, P.S., tekhn. red.

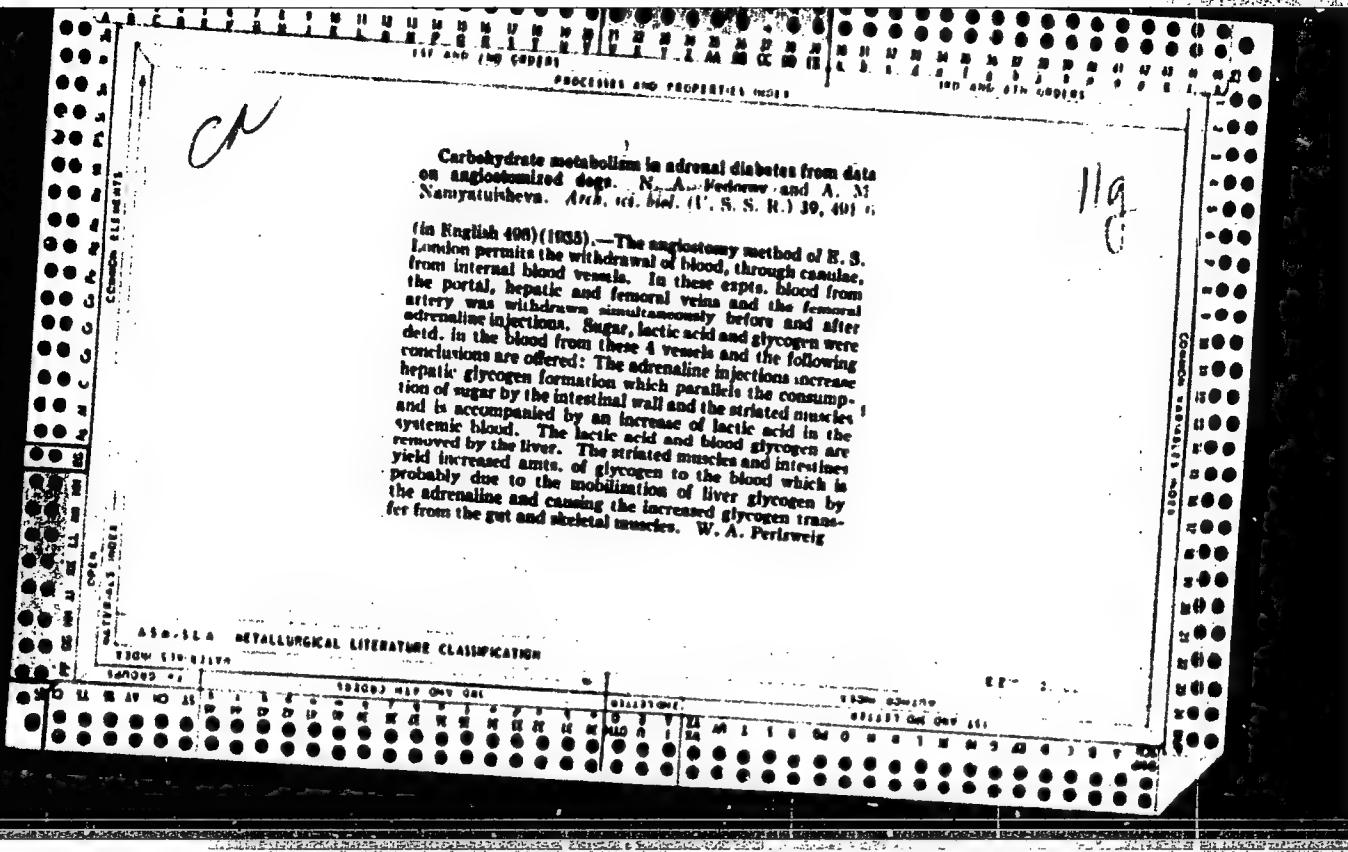
[Shipfitter's handbook] Spravochnik sudovogo stvorshchika. Pod
obshchei red. V.K. Kuz'menko. Leningrad, Sudpromgiz, 1962.
327 p.

(MIRA 16:4)

(Shipfitting)

BOYNOVICH, Don Iosifovich; ISAKOV, Vasiliy Petrovich; PISHNOV,
Semen Elevich; KEZLING, G.B., inzh., retsenzent;
FEDOROV, N.A., nauchn. red.; KUSKOVA, A.I., red.

[Mechanization of the manufacture of products for the
outfitting of ships] Mekhanizatsiya izgotovleniya suda-
vykh dostroechnykh izdelii. Leningrad, Sudostroenie,
1964. 179 p. (MIRA 18;2)



FEDOROV, N. A.; GRABETSKIY, A. A.; LISENKO, N. V.; DAGAEVA, L. N.; BOROVSKIY, Ye. V.
ROZHANSKIY, M. Ye.; PROKHONCHUKOV, A. A.

Radioactive Tracers

Studies on mineral metabolism in hard tissue of the tooth with the aid of radioactive tracers. Stomatologija, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

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YEDOROV, N.A.

[Experimental and clinical material from a study of new cytotoxic serums] Ekperimental'no-klinicheskie materialy po issledovaniyu novykh tsitotoksicheskikh sывороток. Moskva, Medgiz, 1956. 130 p.
(SERUMS) (MLRA 9:7)

State Library and
Archives of the
Russian Federation

POBEDINSKIY, M.N., prof., FEDOROV, N.A., prof.

International Conference on Radiobiology in Cambridge, England,
August 14-17, 1955. Arkh.pat. 18 no.3:131-135 '56 (MIRA 11:10)
(CAMBRIDGE, ENGLAND--RADIOBIOLOGY--CONGRESSES)

FEDOROV, N.A.

USSR/General Problems of Pathology - Allergy.

S-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71339

Author : Fedorov, N.A., Gurvich, A.E.
Inst :

Title : On the Problem of Differentiation of Antibodies Conditioning Anaphylaxis, from Precipitins.

Orig Pub : Arkhiv patologii, 1956, 18, No 6, 52-55

Abstract : Protein preparations - sera 24 and 32, in spite of the absence in tests with guinea pigs of anaphylactic properties, are capable of producing precipitins in rabbits. Evidently the anaphylaxis is produced by special antibodies, different from precipitins or at least not identical with precipitins.

Card 1/1

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*Labeled agents in the service of the
U.S. in the organization for the
protection of the U.S. against
the Soviet Union.*

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CIA-RDP86-00513R000412620015-0"

USSR / Human and Animal Physiology (Normal and Pathological).
Digestion.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60414

Author : Fedorov, N. A.; Dagayeva, L. N.

Inst : ~~Nedriven~~ Iz katedry patofiziologii (zav.-prof. N.A. Fedorov),
Title : Neurotrophic Changes in the Hard Tooth Tissues as ~~moshchovskogo~~
Reflected by Calcium Metabolism

Orig Pub : Stomatologiya, 1957, No 6, 7-11 *meditsinskogo stomatologicheskogo
instituta*

Abstract : After severance of the lower alveolar nerve and the denudation of the alveolar artery in dogs killed within different intervals after the denervation of the lower jaw and a week after the introduction of Ca^{45} , the inclusion of Ca^{45} into the hard tissues decreased at first, then increased, and after 4 - 8 weeks dropped sharply, which evidently indicated a neurodystrophic process in the tooth tissues. After the removal of the upper sympathetic plexus cervicalis in cats, a decrease in the Ca^{45} inclusion into the hard tissues of teeth was observed.

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75709

Author : Merkulov, M. F.; Fedorov, N. A.; Poberiy, I. A.

Inst : Second Moscow Medical Institute

Title : Autoradiographic Study of the Spread of S³⁵-Aminazine in
the Tissues of Rats.

Orig Pub : Uch. zap. 2-go Mosk. med. in-ta, 1957, 6, 190-196.

Abstract : 50 ng/kg of aminazine-S³⁵ (I) was introduced in rats internally and slowly; in 20 minutes the animals were sacrificed and the content of I was determined in the tissues. With the methods used in treatment of the tissues, a significant part of the radioactivity was washed out; therefore, the autographs obtained showed the spread only of those fractions of I that were solidly connected with the structural parts of the cells. In the lungs, a selective accumulation

Card 1/2

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour & Ref Zhur - Biol., No 16, 1958, No 75709

of I was noted in the nuclei of the epithelial cells of the alveoli; in the kidneys, I is concentrated predominantly in the spleen, the accumulation of I in the follicles exceeds the level of I in the red pulp. A comparatively great concentration of I is found in the follicles of the thyroid gland. In the brain, grey matter absorbs I approximately twice as intensively as does the white. In the tissues of the adrenals and the liver, the spread of I has a more diffuse character.

Card 2/2

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75698

Author : Fedorov, N. A.

Inst : Second Moscow Medical Institute

Title : Dynamics of the Spread and Isolation of S³⁵ Promazine in Rats and Rabbits with Different Methods of Administering the Drug.

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 6, 197-204

Abstract : With the internal introduction of promazine S³⁵ (I), the greatest concentration is noted in the lungs; the least, in the blood with a maximum in 7-15 minutes after its introduction. In the brain, I spreads evenly; its content here is higher than in the spinal cord. With intraabdominal introduction, the greatest concentration of I is found in the small intestine. With subcutaneous introduction, I enters the blood very slowly, and therefore the concentration

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Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

Author: ~~Bogdanov, N. A.~~

Inst: Not Given.

Title: Distribution of S35 of Aminazine in Various Sections of the Central Nervous System and Organs of Dogs and Rabbits.

Orig Pub: Zh. nevropatol. i psichiatrii, 1957,⁵¹ No 6, 761-767.

Abstract: The body distribution of aminazine (I) marked with S35 was studied in dogs and rabbits. I was given in single injections, 2 mg/kg to dogs, 10 mg/kg to rabbits. The highest concentration of I was noted in the lungs. Next came the adrenals, then the liver, intestines, hypophysis, the medulla oblongata and the subcortical structures. Only traces of I were noted in the blood 15 minutes

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Chair Med. Pathology, Cent Inst. Advanced Training Physicians
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Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

Abstract: after intramuscular injections of I. The maximum concentration of I in dogs was noted in the spinal cord and in the subcortical and trunk sections of the brain after 6 hours following injection. The content of I in the cortex of the brain of dogs began to decrease within 2-1/2 hours after injection. The distribution of I in the various sections of the brain and spinal cord is more uniform in rabbits than in dogs. The greatest concentration of I is noted within 2 hours after injection. It is possible that the species particularities of the animal, as well as the higher doses of I, were contributing to the nature of I distribution in the CNS of rabbits. -- S. M. Shteynberg

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